

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
27 January 2005 (27.01.2005)

PCT

(10) International Publication Number  
WO 2005/007088 A2

(51) International Patent Classification<sup>7</sup>:

A61K

(21) International Application Number:

PCT/US2004/021305

(22) International Filing Date: 1 July 2004 (01.07.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
60/484,781 3 July 2003 (03.07.2003) US

(71) Applicant (for all designated States except US): UNIBAR CORPORATION [US/US]; 9894 Bissonnet, Suite 686, Houston, TX 77036 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): BHASKARAN, Sunil [IN/IN]; 7, Anchor Haven Apartments, Wanorie Pune-40 41104 (IN). MEHTA, Sevanti [US/US]; 9894 Bissonnet, Suite 686, Houston, TX 77036 (US).

(74) Agents: MINTZ, Carol, G. et al.; Conley Rose, P.C., P.O. Box 3267, Houston, TX 77253-3267 (US).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

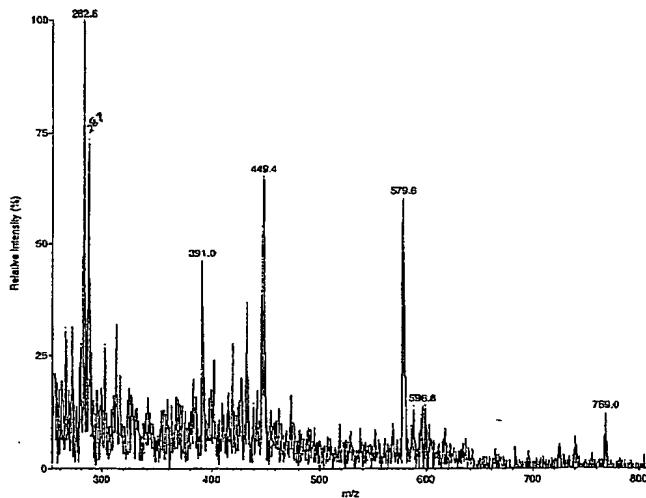
(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— without international search report and to be republished upon receipt of that report

[Continued on next page]

(54) Title: STABILIZED ANTHOCYANIN EXTRACT FROM GARCINIA INDICA



WO 2005/007088 A2

(57) Abstract: A method of making a red pigmented composition is disclosed which includes (a) preparing an aqueous extract of *Garcinia indica* fruit comprising at least one red colorant; (b) treating the extract with a cation exchange resin so that one or more red colorant associates with the resin; (c) eluting the red colorant from the resin with an eluting solution containing one or more alcohol such as methanol, ethanol and isopropanol and one or more acid such as hydrochloric acid, citric acid, acetic acid, tartaric acid and hydroxy citric acid to yield a red-colored eluate; (d) collecting and concentrating the eluate to provide a concentrate; and (e) adding an antioxidant agent and/or placing the concentrate in an aseptic container in a non-oxidizing atmosphere. A combination comprising the resulting stabilized *Garcinia* extract in aseptic packaging in a non-oxidizing atmosphere is also disclosed, along with methods of use.



*For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*